

What is claimed is:

1 A security system comprising:

a personal computer (PC); and

5 a portable terminal;

said personal computer including:

a PC's side ID information holder for storing an ID code  
to identify a user;

a PC's side transmitter/receiver for radio transmitting  
10 an ID code stored in said ID information holder and receiving  
a transmitted ID code;

a collator for collating the ID code received by said PC's  
side transmitter/receiver with the ID code stored in said PC's  
side ID information holder; and

15 a controller for controlling the operation of an  
operating system working in said personal computer

said portable terminal including:

a terminal's side ID information holder for storing said  
ID code;

20 a terminal's side transmitter/receiver for receiving  
an ID code radio transmitted by said PC's side  
transmitter/receiver and radio transmitting an ID code stored  
in said terminal's side ID information holder; and

a terminal's side collator for collating an ID code  
25 received by said terminal's side transmitter/receiver with an

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ID code stored in said terminal's side ID information holder;

wherein said PC's side transmitter/receiver and said terminal's side transmitter/receiver each have a radio transmission output power with which said ID code cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver;

wherein when said PC's side transmitter/receiver cannot receive an ID code matching the ID code stored in said PC's side ID information holder through collation of said collator within a predetermined time period after radio transmission of said ID code, said controller ends the operation of the operating system working in said personal computer;

wherein, at said portable terminal, when said terminal's side collator finds that an ID code received by said terminal's side transmitter/receiver matches an ID code stored in said terminal's side information holder, said terminal's side transmitter/receiver radio transmits an ID code stored in said terminal's side ID information holder.

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2 The security system defined in Claim 1, wherein said personal computer comprises:

a PC's side encipherer for encoding an ID code stored in said PC's side ID information holder; and

25 a PC's side decoder for decoding a ciphered ID code

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received by said PC transmitter/receiver;

said portable terminal comprises:

a terminal's side encipherer for ciphering an ID code stored in said terminal's side ID information holder; and

5 a terminal's side decoder for decoding an ciphered ID code received by said terminal's transmitter/receiver;

wherein said PC's side transmitter/receiver radio transmits an ID code ciphered by said PC's side encipherer;

wherein said PC's side collator collates an ID code decoded  
10 by said PC's side decoder with an ID code stored in said PC's side ID information holder;

wherein said terminal's collator collates an ID code decoded by said terminal's side decoder with an ID code stored in said terminal's side ID information holder; and

15 wherein said terminal's side transmitter/receiver radio transmits an ID code ciphered by said terminal's side encipherer.

3 A security system comprising:

20 a personal computer (PC); and  
a portable terminal;

said personal computer including:

a PC's side ID information holder for storing an ID code to identify a user;

25 a PC's side transmitter/receiver for radio transmitting

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an ID code stored in said ID information holder and receiving  
a transmitted ID code;

a collator for collating the ID code received by said PC's  
side transmitter/receiver with the ID code stored in said PC's  
5 side ID information holder; and

a controller for controlling the operation of an  
operating system working in said personal computer  
said portable terminal including:

a terminal's side ID information holder for storing said  
10 ID code;

a terminal's side transmitter/receiver for receiving an  
ID code radio transmitted by said PC's side  
transmitter/receiver and radio transmitting an ID code stored  
in said terminal's side ID information holder; and

15 a terminal's side collator for collating an ID code  
received by said terminal's side transmitter/receiver with an  
ID code stored in said terminal's side ID information holder;

wherein said PC's side transmitter/receiver and said  
terminal's side transmitter/receiver each have a radio  
20 transmission output power with which said ID code cannot be  
transmitted over a distance where the status of said personal  
computer can be visually ascertained from the position of said  
terminal's side transmitter/receiver;

wherein when said PC's side transmitter/receiver cannot  
25 receive an ID code matching the ID code stored in said PC's

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side ID information holder through collation of said collator within a predetermined time period after radio transmission of said ID code, said controller interrupts the operation of the operating system working in said personal computer;

5        wherein, at said portable terminal, when said terminal's side collator finds that an ID code received by said terminal's side transmitter/receiver matches an ID code stored in said terminal's side information holder, said terminal's side transmitter/receiver radio transmits an ID code stored in said  
10    terminal's side ID information holder.

4    The security system defined in Claim 3, wherein  
     said personal computer comprises:

     a PC's side encipherer for encoding an ID code stored in  
15    said PC's side ID information holder; and

     a PC's side decoder for decoding a ciphered ID code received by said PC transmitter/receiver;

     said portable terminal comprises:

     a terminal's side encipherer for ciphering an ID code stored  
20    in said terminal's side ID information holder; and

     a terminal's side decoder for decoding an ciphered ID code received by said terminal's transmitter/receiver;

     wherein said PC's side transmitter/receiver radio transmits an ID code ciphered by said PC's side encipherer;

25        wherein said PC's side collator collates an ID code decoded

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by said PC's side decoder with an ID code stored in said PC's side ID information holder;

wherein said terminal's collator collates an ID code decoded by said terminal's side decoder with an ID code stored in said terminal's side ID information holder; and

wherein said terminal's side transmitter/receiver radio transmits an ID code ciphered by said terminal's side encipherer.

10 5 A security system comprising:

a personal computer (PC); and

a portable terminal;

said personal computer including:

15 a PC's side ID information holder for storing an ID code to identify a user;

a PC's side transmitter/receiver for radio transmitting an ID code stored in said ID information holder and receiving a transmitted ID code;

20 a collator for collating the ID code received by said PC's side transmitter/receiver with the ID code stored in said PC's side ID information holder; and

a controller for controlling the operation of an operating system working in said personal computer;

said personal terminal including:

25 a terminal's side transmitter/receiver for receiving an

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ID code radio transmitted by said PC's side transmitter/receiver and radio transmitting said ID code;

wherein said PC's side transmitter/receiver and said terminal's side transmitter/receiver each have a radio transmission output power with which said ID code cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver;

wherein when said PC's side transmitter/receiver cannot receive an ID code matching the ID code stored in said PC's side ID information holder through collation of said collator within a predetermined time period after radio transmission of said ID code, said controller ends the operation of the operating system working in said personal computer.

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6 A security system comprising:

a personal computer (PC); and

a portable terminal;

said personal computer including:

a PC's side ID information holder for storing an ID code to identify a user;

a PC's side transmitter/receiver for radio transmitting an ID code stored in said ID information holder and receiving a transmitted ID code;

a collator for collating the ID code received by said PC's

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side transmitter/receiver with the ID code stored in said PC's side ID information holder; and

a controller for controlling the operation of an operating system working in said personal computer

5 said personal terminal including:

a terminal's side transmitter/receiver for receiving an ID code radio transmitted by said PC's side transmitter/receiver and radio transmitting said ID code;

10 wherein said PC's side transmitter/receiver and said terminal's side transmitter/receiver each have a radio transmission output power with which said ID code cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver;

15 wherein when said PC's side transmitter/receiver cannot receive an ID code matching the ID code stored in said PC's side ID information holder through collation of said collator within a predetermined time period after radio transmission of said ID code, said controller interrupts the operation of  
20 the operating system working in said personal computer.

7 A security system comprising:

a personal computer (PC); and

a portable terminal;

25 said personal computer including:

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a PC's side ID information holder for storing an ID code to identify a user;

a PC's side transmitter/receiver for radio transmitting a request signal which requests radio-transmission of an ID code and for receiving a transmitted ID code;

a collator for collating the ID code received by said PC's side transmitter/receiver with the ID code stored in said PC's side ID information holder; and

a controller for controlling the operation of an operating system working in said personal computer

said personal terminal including:

a terminal's side ID information holder for storing said ID code; and

a terminal's side transmitter/receiver for receiving said request signal radio transmitted by said PC's side transmitter/receiver and radio transmitting said ID code stored in said terminal's ID information holder in response to said request signal;

wherein said PC's side transmitter/receiver has a radio transmission power with which said request signal cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver and said terminal's side transmitter/receiver has a radio transmission output power with which said ID code cannot be transmitted over a distance

where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver;

wherein when said PC's side transmitter/receiver cannot  
 5 receive an ID code matching the ID code stored in said PC's side ID information holder through collation of said collator within a predetermined time period after radio transmission of said request signal, said controller ends the operation of the operating system working in said personal computer.

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8 A security system comprising:

a personal computer (PC); and

a portable terminal;

said personal computer including:

15 a PC's side ID information holder for storing an ID code to identify a user;

a PC's side transmitter/receiver for radio transmitting a request signal which requests radio-transmission of an ID code and for receiving a transmitted ID code;

20 a collator for collating the ID code received by said PC's side transmitter/receiver with the ID code stored in said PC's side ID information holder; and

a controller for controlling the operation of an operating system working in said personal computer

25 said personal terminal including:

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a terminal's side ID information holder for storing said ID code; and

a terminal's side transmitter/receiver for receiving said request signal radio transmitted by said PC's side transmitter/receiver and radio transmitting said ID code stored in said terminal's ID information holder in response to said request signal;

wherein said PC's side transmitter/receiver has a radio transmission power with which said request signal cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver and said terminal's side transmitter/receiver has a radio transmission output power with which said ID code cannot be transmitted over a distance where the status of said personal computer can be visually ascertained from the position of said terminal's side transmitter/receiver;

wherein when said PC's side transmitter/receiver cannot receive an ID code matching the ID code stored in said PC's side ID information holder through collation of said collator within a predetermined time period after radio transmission of said request signal, said controller interrupts the operation of the operating system working in said personal computer.